

From: [Rouse, Philip](#)
To: [Mason, Steve](#)
Subject: RE: Draft ITC update info you requested -- 04/03/2019
Date: Wednesday, April 03, 2019 6:36:10 AM

Received, thanks.

From: Mason, Steve
Sent: Wednesday, April 3, 2019 6:06 AM
To: Delgado, Eric <Delgado.Eric@epa.gov>; Adams, Adam <Adams.Adam@epa.gov>; Loesel, Matthew <loesel.matthew@epa.gov>; Patel, Anish <patel.anish@epa.gov>; Rouse, Philip <rouse.philip@epa.gov>
Cc: Crossland, Ronnie <Crossland.Ronnie@epa.gov>; Smith, Monica <smith.monica@epa.gov>
Subject: Draft ITC update info you requested -- 04/03/2019

- The Environmental Protection Agency (EPA) continues to participate in Unified Command with Texas Commission on Environmental Quality (TCEQ), Harris County Pollution Control Services, and ITC.
- The number and amount of benzene detections has continued to decrease throughout the past two days, due to the continue removal of product from tanks and the tank farm, as well as continued use of foam as needed.
- Pumping of Tank 80-7 was initiated on April 2 and continued through the early morning of April 3. Vacuuming of Tank 80-10 was completed on April 2.
- The flushing plan for Tucker Bayou developed by EPA, TCEQ, USCG, and ITC was approved by Unified Command on April 2. Flushing operations will begin on the morning of April 3.
- A conference call was conducted on April 2 with TCEQ, EPA, ITC, and NOAA regarding the uncompleted environmental plans. An improved system will be established for document distribution and control, including nomenclature, document date, version number, developer, and distribution list.
- TCEQ and EPA provided comments on the Waste Water Treatment Plant (WWTP) and the Waste Handling and Interim Storage Plan to ITC representatives on April 2.
- EPA, ITC, and TCEQ discussed on the evening of April 2 on how the upcoming rain forecast may affect waste handling and accumulation. The WWTP statement, developed by TCEQ and agreed upon by EPA, was provided to ITC.
- ITC provided EPA and TCEQ a map on April 2 on where wastes from this incident is currently being stored (see attached).
- Several entities including Texas Commission on Environmental Quality (TCEQ), EPA, and ITC continue to conduct air monitoring around the tank farm, in adjoining industrial areas, and communities downwind from the facility.
- ITC continued air monitoring on April 2 (midnight to midnight); there were 4,266 VOC readings (770 detections) with and 2,955 benzene readings (619 detections).
- EPA continued mobile air monitoring on April 2 (24 hour) at 49 locations. There were 01 detections, with 0 detection above the action level noted.
- The Airborne Spectral Photometric Environmental Collection Technology (ASPECT) aircraft found no exceedances of the Texas comparison values on April 2. ASPECT has conducted a screening level assessment to evaluate the unreported or undetected releases of hazardous

materials or contaminants at the ITC in Deer Park, Texas. The screening level results from ASPECT were compared to the ASPECT list of TCEQ short-term Air Monitoring Comparison Values (AMCVs) and found no exceedances of the short-term AMCVs. Infrared and photographic data collected over the confluence area at Tucker and Buffalo Bayous indicated that product continues to be present in the boom network with some leakage in the northeast section.

- EPA conducted air sampling using the Trace Atmospheric Gas Analyzer (TAGA) on April 2, 2019. TAGA analyzed air samples for benzene, toluene and xylene down wind of the site.
- EPA conducted surface water sampling on April 2, 2019, at ten sample locations. Samples were collected from upstream of the confluence of Buffalo Bayou and the San Jacinto River (in the Old River at River Terrace Park and at the shoreline of Juan Sequin Historic Park), in the main channel of the San Jacinto River (upstream of the confluence with Buffalo Bayou), and downstream in the San Jacinto River. The surface water samples will be analyzed for Per- and polyfluoroalkyl substances, Volatile Organic Compounds (VOCs), Semi-volatile Organic Compounds (SVOCs), Chemical Oxygen Demand (COD), and Oil & Grease.
- TCEQ continued handheld air monitoring on April 2 from 12:00 am to 10:00; approximately 152 readings were taken. No readings above the Unified Command action level were detected.
- Vacuum truck operations at Tucker Bayou and the outfall ditch continue on 24 hour basis.
- As of 7:00 pm on Tuesday, April 2:
 - 128,500 feet of boom deployed
 - 72,703 bbl of product/water recovered from water operations
 - 97,239 bbl of product/water recovered from tank farm
 - 128 cubic yards of contaminated solids
 - Approximately 468,000 gallons of foam concentrate used for fire-fighting/suppression and emission suppression
 - **1,938** people working on-scene (field, command post)
 - Total vessels: 310
 - 111 work boats
 - 102 barges
 - 25 small capacity skimming vessel
 - 72 skimmers
 - Vacuum trucks: 26

Tank Status as 3:00 am on April 3, 2019

Tank #		Original Volume	Updated Volume	Status
80 – 1	Base Oil	48,713 bbls	4,522 bbls	Standby
80 – 2	Gasoline Blendstock	38,451 bbls	0 bbls	Complete
80 – 3	Gasoline Blendstock	33,200 bbls	0 bbls	Complete
80 – 4	Base Oil	34,808 bbls	7,393 bbls	Standby
80 – 5	Xylenes	35,502 bbls	6,529 bbls	Standby
80 – 6	Gasoline Blendstock	48,147 bbls	n/a	Standby
80 – 7	Py Gas	42,680 bbls	Empty	Complete
80 – 8	Naptha	69,482 bbls	9,072 bbls	Standby
80 – 9	EMPTY	Empty	Empty	Standby

80 - 10	Py Gas	14,294 bbls	2,207 bbls	Complete
80 - 11	Base Oil	51,741 bbls	21,313 bbls	Standby
80 - 12	EMPTY	Empty	Empty	Complete
80 - 13	Toluene	13,854 bbls	0 bbls	Complete
80 - 14	Py Gas	13,837 bbls	0 bbls	Complete
80 - 15	Py Gas	9,354 bbls	0 bbls	Complete

With Regards, Steve



Stephen Mason
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"Frequently, my thoughts get bored and walk down to my mouth. Often, this is a bad thing."